

Title (en)

MOBILE TERMINAL AND HEAT DISSIPATION SHIELDING STRUCTURE

Title (de)

MOBILES ENDGERÄT UND WÄRMEABLEITUNGSABSCHIRMSTRUKTUR

Title (fr)

TERMINAL MOBILE ET STRUCTURE DE PROTECTION À DISSIPATION DE CHALEUR

Publication

**EP 3307036 A1 20180411 (EN)**

Application

**EP 15893725 A 20150604**

Priority

CN 2015080737 W 20150604

Abstract (en)

A mobile terminal includes a circuit board, a heat emitting element disposed on the circuit board, a shielding can, and a middle frame, where the shielding can is connected to the circuit board, and forms a shielding space together with the circuit board; the heat emitting element is accommodated in the shielding space; the circuit board is disposed on one side of the middle frame; the middle frame is provided with an accommodating space; and the shielding can includes a top and a bottom that are disposed opposite to each other, where the bottom is configured to be connected to the circuit board, and the top is located above the heat emitting element and extends to the accommodating space. The present invention further provides a heat dissipation and shielding structure. The present invention helps make a mobile terminal and a heat dissipation and shielding structure lighter and thinner.

IPC 8 full level

**H05K 5/02** (2006.01)

CPC (source: EP KR RU US)

**H05K 1/0203** (2013.01 - US); **H05K 5/0086** (2013.01 - US); **H05K 5/02** (2013.01 - US); **H05K 7/2039** (2013.01 - KR); **H05K 7/20445** (2013.01 - RU); **H05K 7/20963** (2013.01 - RU); **H05K 9/0024** (2013.01 - EP US); **H05K 9/0032** (2013.01 - KR RU); **H05K 7/2039** (2013.01 - US)

Cited by

EP4048042A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3307036 A1 20180411**; **EP 3307036 A4 20180912**; **EP 3307036 B1 20210811**; CN 107113991 A 20170829; CN 107113991 B 20191115; CN 111148403 A 20200512; CN 111148403 B 20211015; JP 2018526709 A 20180913; JP 6626130 B2 20191225; KR 102085176 B1 20200305; KR 102142397 B1 20200807; KR 20180006979 A 20180119; KR 20200023559 A 20200304; RU 2017145852 A 20190709; RU 2017145852 A3 20190717; RU 2701165 C2 20190925; US 10602603 B2 20200324; US 11051393 B2 20210629; US 2018146539 A1 20180524; US 2020205278 A1 20200625; WO 2016192069 A1 20161208

DOCDB simple family (application)

**EP 15893725 A 20150604**; CN 2015080737 W 20150604; CN 201580063920 A 20150604; CN 201911206233 A 20150604; JP 2017562713 A 20150604; KR 20177036240 A 20150604; KR 20207005979 A 20150604; RU 2017145852 A 20150604; US 201515578992 A 20150604; US 202016807522 A 20200303